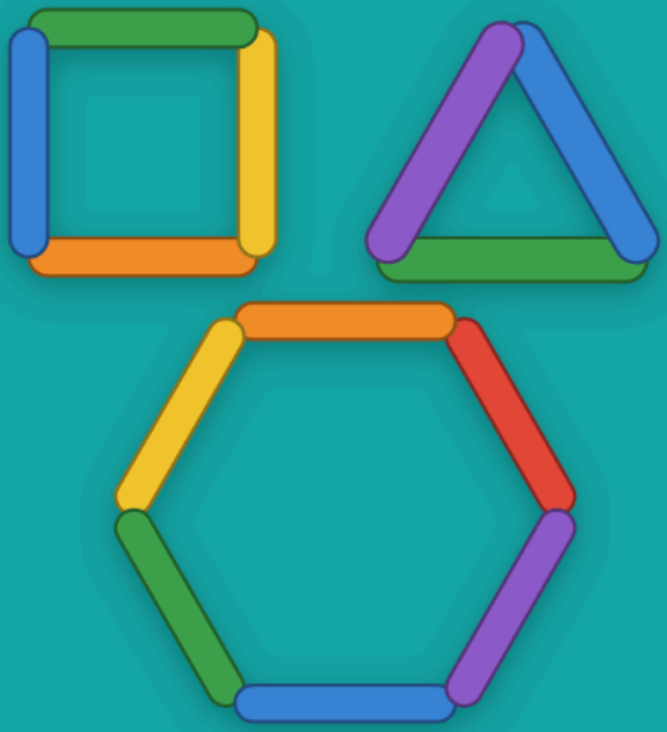
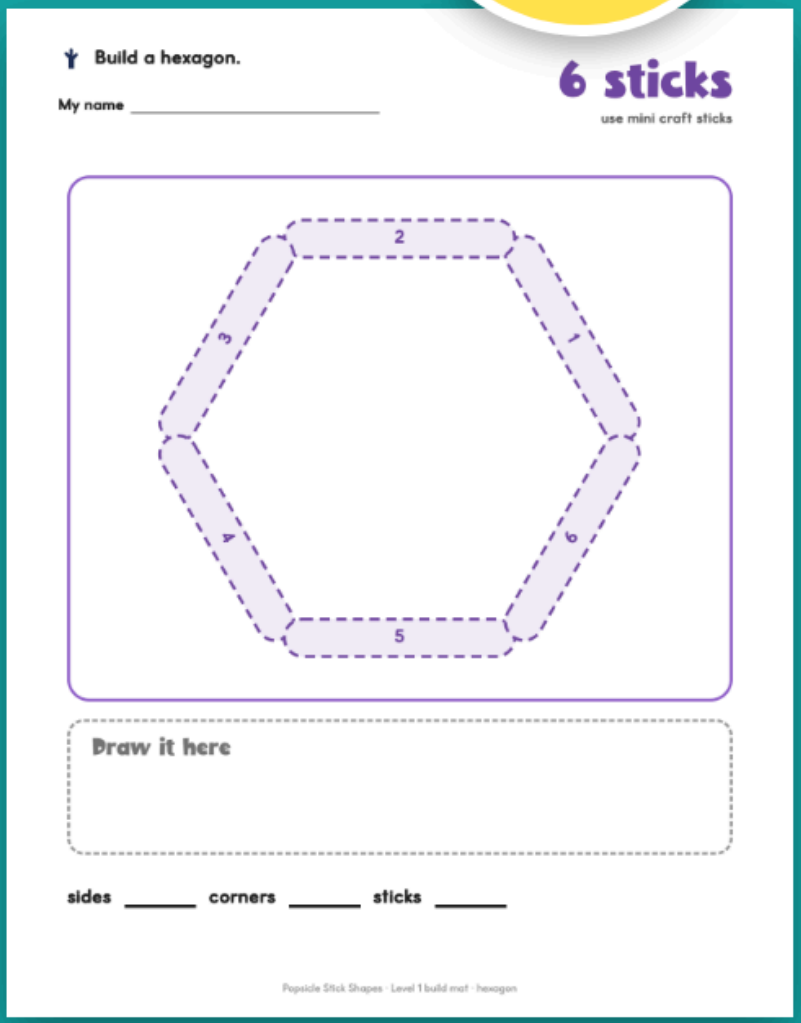
POPSICLE STICK SHAPES

Build Mats and Model Cards

24 CARDS
3 LEVELS





Bright Path Sped

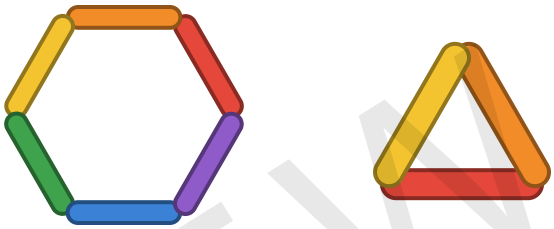
Preview · Bright Path Sped

Popsicle Stick Shapes

Build shapes from craft sticks. Count the sides and corners. Start here.

What's inside

- 7 build mats, one for each shape: triangle, square, rectangle, pentagon, hexagon, trapezoid and diamond. Dashed stick places, stick count printed big (pages 6 to 12)
- 24 copy-the-model cards in full color: 8 to a page, cut apart on straight lines (pages 15 to 17), plus 8 blank model cards (page 18)
- 2 draw-and-count pages, a how-many-sticks sort (16 pieces and a sort mat) and 8 box labels
- Sticks-you-need page, answer key, data sheet, example, roll-up chart, home note



Three levels

- **Level 1, circle.** Build the shape on its mat. Every dashed place is one stick. Then draw it and count the sides, corners and sticks.
- **Level 2, square.** Copy a model card: first each shape in rainbow sticks, then each shape turned a new way, in one color. A turned triangle is still a triangle.
- **Level 3, triangle.** Build two shapes together: a house, a bow tie, two squares and more, from 5 to 8 sticks. Then use the blank cards to make your own.

Three steps

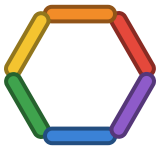
- Print and cut the cards, pieces and labels. Laminate if you like. The shape in the corner of a card is its level.
- The student builds with real craft sticks on the mat or beside the card, counts, and fills in a recording page.
- Check with the answer key (page 22) and write the round on the data sheet (page 23).

Craft sticks are not included (page 5).

PREVIEW

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Teacher prep: print, cut, stick on the box and bags.



Popsicle Stick Shapes



Build mats



Model cards



Build two shapes

How many sticks?

Draw and count



Craft sticks

Done

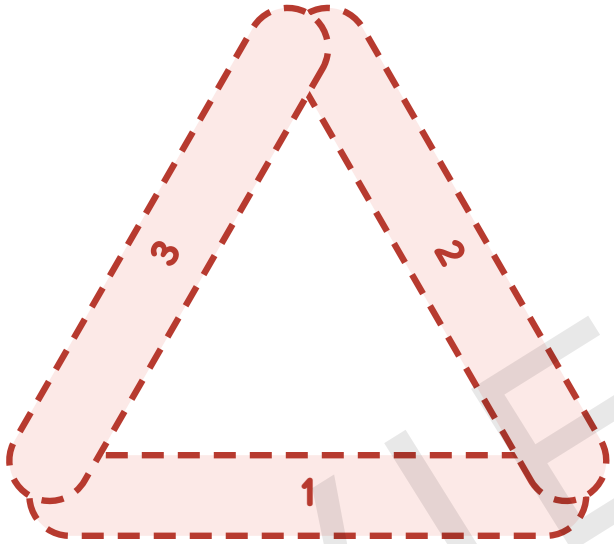
PREVIEW

Build a triangle.

My name _____

3 sticks

use mini craft sticks



PREVIEW

Draw it here

sides _____ **corners** _____ **sticks** _____

Build a rectangle.

My name _____

4 sticks

use mini craft sticks



Draw it here

PREVIEW

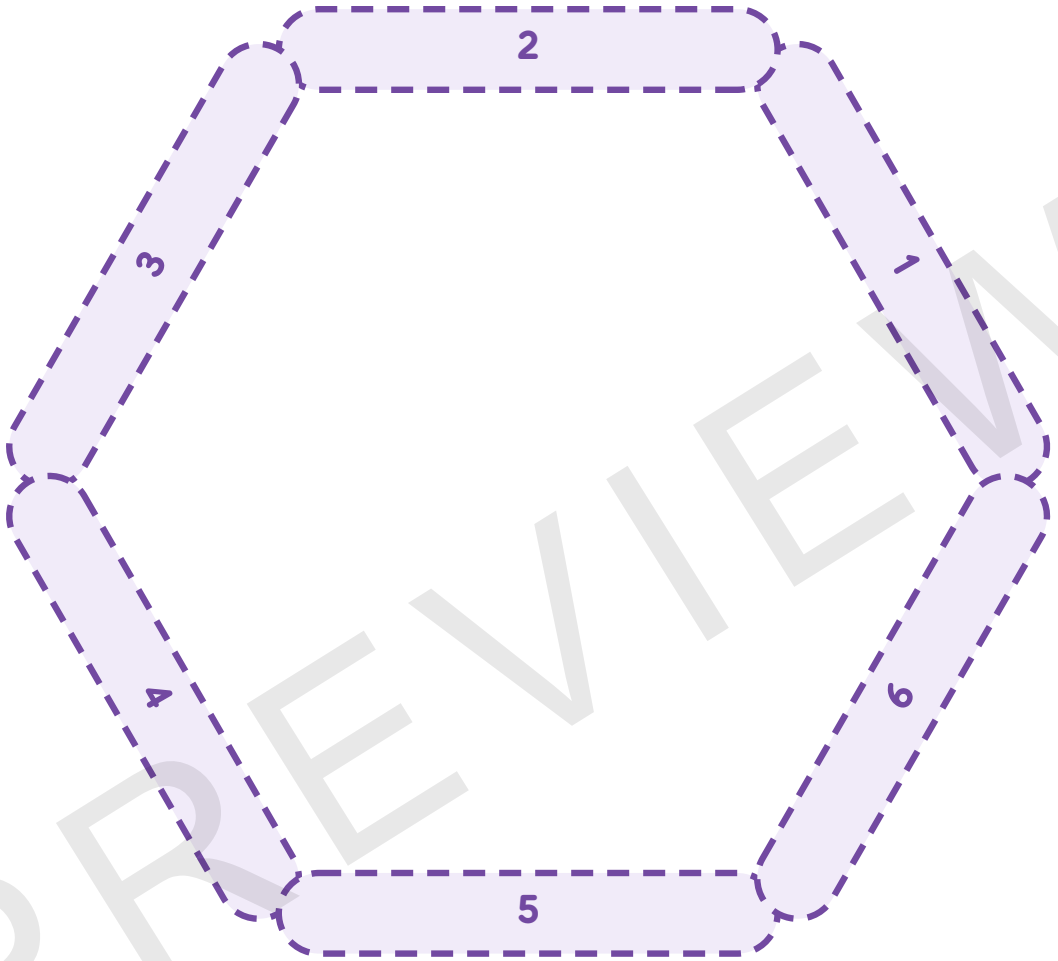
sides _____ **corners** _____ **sticks** _____

Build a hexagon.

My name _____

6 sticks

use mini craft sticks



PREVIEW

Draw it here

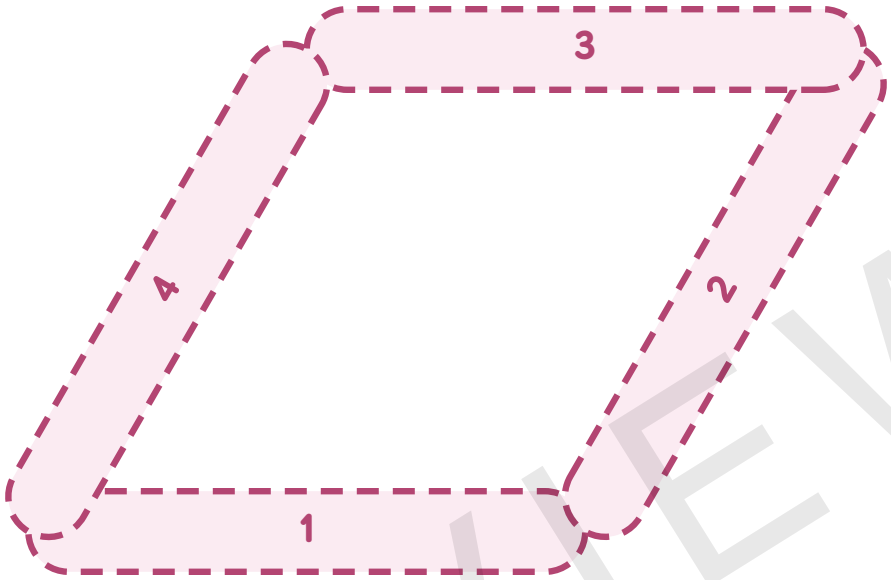
sides _____ **corners** _____ **sticks** _____

Build a diamond.

My name _____

4 sticks

use mini craft sticks



PREVIEW

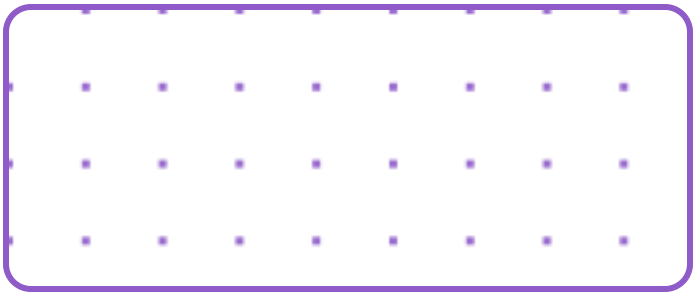
Draw it here

sides _____ **corners** _____ **sticks** _____

Draw it. Count the corners.

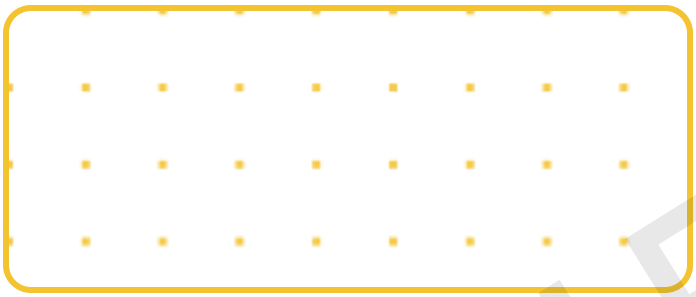
My name _____

hexagon



sides	corners	sticks

trapezoid



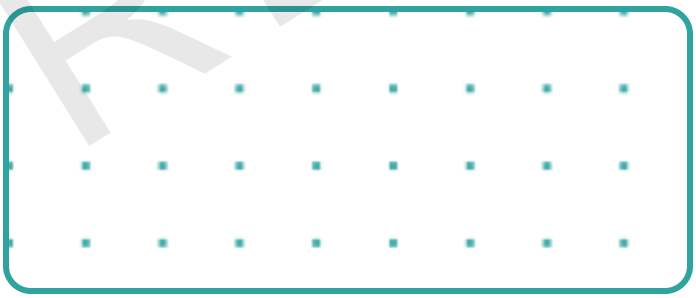
sides	corners	sticks

diamond



sides	corners	sticks

my own shape



sides	corners	sticks

my own shape



sides	corners	sticks

PREVIEW

Teacher prep: print, cut, laminate.

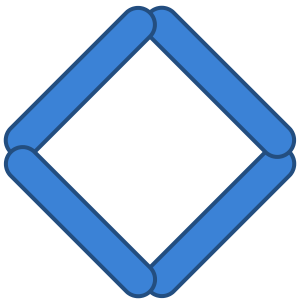
9



Triangle

3 sticks

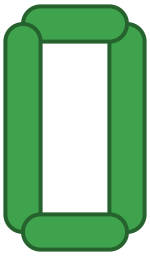
10



Square

4 sticks

11



Rectangle

4 sticks

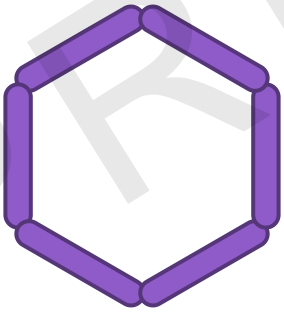
12



Pentagon

5 sticks

13



Hexagon

6 sticks

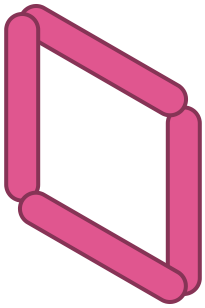
14



Trapezoid

4 sticks

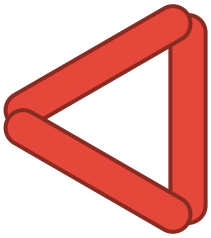
15



Diamond

4 sticks

16



Triangle

3 sticks

PREVIEW

Preview · Bright Path Sped

Draw a stick shape. Trade with a friend.

1

My shape _____

Sticks ☐

2

My shape _____

Sticks ☐

3

My shape _____

Sticks ☐

4

My shape _____

Sticks ☐

5

My shape _____

Sticks ☐

6

My shape _____

Sticks ☐

7

My shape _____

Sticks ☐

8

My shape _____

Sticks ☐

PREVIEW

How many sticks? Sort the shapes.

My name _____

3 sticks

4 sticks

5 sticks

6 sticks

PREVIEW

Preview · Bright Path Sped

Answer Key

Level 1 build mats and the draw-and-count pages (sides and corners are the same number on a closed shape made of sticks)

Shape	Sticks	Long	Short	Corners
triangle	3	3	0	3
square	4	4	0	4
rectangle	4	2	2	4
pentagon	5	5	0	5
hexagon	6	6	0	6
trapezoid	4	1	3	4
diamond	4	4	0	4

Levels 2 and 3 model cards: shape and number of sticks

Level 2, cards 1-8

Card	Shape	Sticks
1	Triangle	3
2	Square	4
3	Rectangle	4
4	Pentagon	5
5	Hexagon	6
6	Trapezoid	4
7	Diamond	4
8	House	6

Level 2, cards 9-16

Card	Shape	Sticks
9	Triangle	3
10	Square	4
11	Rectangle	4
12	Pentagon	5
13	Hexagon	6
14	Trapezoid	4
15	Diamond	4
16	Triangle	3

Level 3, cards 17-24

Card	Shape	Sticks
17	House	6
18	Two squares	7
19	Two triangles	5
20	Three triangles	7
21	Bow tie	6
22	Window	6
23	Balloon	7
24	Rocket	8

How many sticks? Sort pieces, numbered on the cut page in the corner of each piece

Sticks	Sort pieces that go here
3	1, 11, 12, 15
4	3, 7, 8, 14
5	4, 6, 10, 16
6	2, 5, 9, 13

Rectangle: 2 long and 2 short. Trapezoid: 1 long and 3 short. The blank model cards (page 18) have no key.

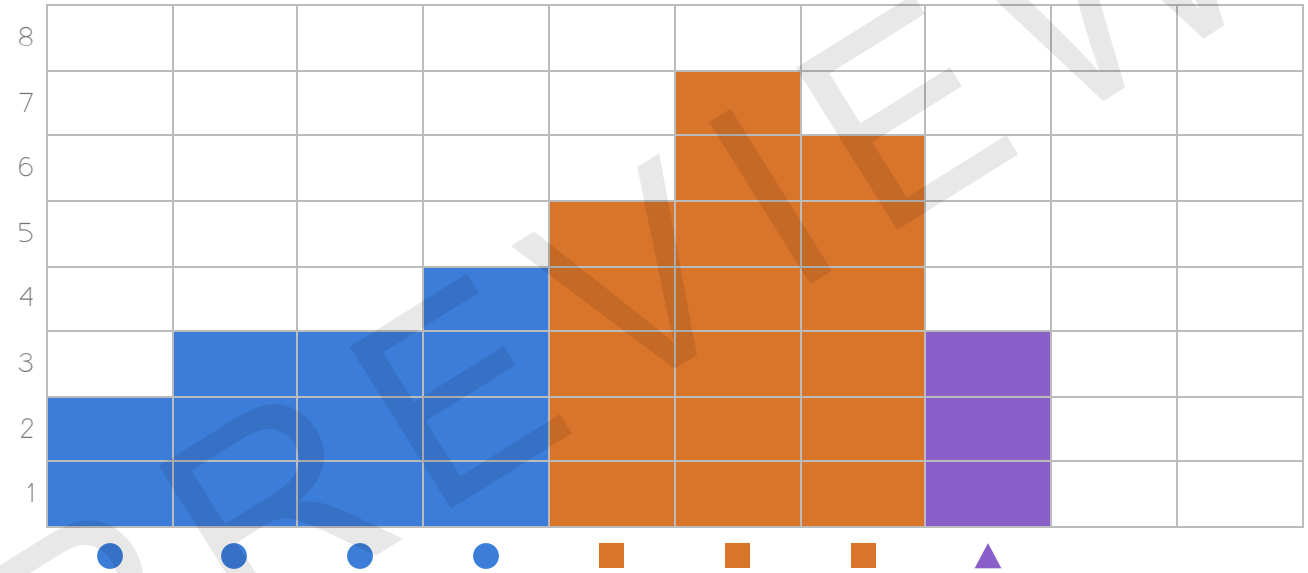
PREVIEW

Filled Example

Invented example. Leo is not a real student; these numbers are made up.

Date	Level	Task	Built right	Count right	Help given
Wk 1 Mon	1	mats 1-3	2 of 3	3 of 3	built the first side together
Wk 1 Thu	1	mats 1-3	3 of 3	3 of 3	moved the mat closer
Wk 2 Mon	1	mats 4-7	3 of 4	4 of 4	none
Wk 2 Thu	1	mats 4-7	4 of 4	4 of 4	none
Wk 3 Mon	2	cards 1-8	5 of 8	6 of 8	pointed to each side
Wk 3 Thu	2	cards 1-8	7 of 8	8 of 8	said the corners out loud
Wk 4 Mon	2	cards 9-16	6 of 8	7 of 8	fixed a gap without being asked
Wk 4 Thu	3	cards 17-24	3 of 8	4 of 8	built the square first

The same rounds on the roll-up chart



Each column is one round. The shape under it is the level. A filled square is one shape built right.

- Level 1: first round 2 right, best round 4 right
- Level 2: first round 5 right, best round 7 right
- Level 3: first round 3 right, best round 3 right

PREVIEW

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Helper Card

For a paraprofessional, a sub or a volunteer running this stick box

Before you start

- The student has the mat or cards for the level, a tray of craft sticks (long and short) and a recording page.
- The level is the small shape in the corner of the card: circle, square or triangle. Use the level the teacher wrote below.
- The answer key is on page 22. Keep it out of the student's sight.

Run a round

- Hand over one mat or card at a time.
- Say: "Look at the model. Build it." Wait before you help.
- Say: "Count your sticks." Then: "Count your corners."
- When the round is done, check with the key. Point to any that are off and let the student fix them.
- Write the round on the data sheet: date, level, task, how many right.

Write in

Level and task for today

Words to use if the student is stuck (the teacher fills this in)

If something is not working, tell:

PREVIEW

What's Next

Keep going with the sticks

- Ask the student to say how many sticks a shape needs before building it, then check on the mat.
- Use the blank model cards (page 18) to draw a shape for a friend, with the stick count written on it.
- Build the same shape two ways: a square from 4 long sticks, then a rectangle with 2 long and 2 short. What changed?
- Build a hexagon, then take away 2 sticks. What shape is left to build? Count again.
- Make a picture from your shapes: a house, a rocket or a boat. Count every stick you used.

More from Bright Path Sped

More task boxes for your shelf: sorting mats, labels, counting sets and pattern sets. Task boxes, data sheets and paperwork for special education are added regularly. Follow Bright Path Sped on TPT to see new ones first.

If this task box helped, a short review helps other teachers find it. Questions are always welcome on the product page.

PREVIEW